

ABSTRACT OF THE DISCLOSURE

A method and an apparatus for restoring logic states using programming code are disclosed. In one embodiment, the process of a data processing system identifies a first logic value stored in a first register and
5 branches to a first location within the programming code based upon the first logic value. The first register can be used as a scratch register for the subsequent instruction execution. After completion of the execution, the first logic value is restored in the first register in response to the first location.